

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,053,888 B2  
APPLICATION NO. : 10/054895  
DATED : May 30, 2006  
INVENTOR(S) : Muneki Ando

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**[56] REFERENCES CITED:**

U.S. PATENT DOCUMENTS, "5,771,031 6/1998 Kinoshita et al."  
should read --5,771,031 1/1998 Kinoshita et al.--.

COLUMN 7:

Line 7, "time-senes" should read --time-series--.  
Line 11, "senes" should read --series--.

COLUMN 21:

Line 46, "unit" should read --unit is  $(D - X - 1)/D^2$  times the capacity for one scan wiring.--.

COLUMN 29:

Line 26, "and (2)," should read --and (2),

$$RI + W1 + R2 + W2 = T(1 + 1/D) \quad (3)---$$

Line 41, " $RI + W1 \leq T$ " should read -- $RI + W1 < T$ --.  
Line 43, " $R2 + W2 \leq T$ " should read -- $R2 + W2 < T$ --.  
Line 49, " $n \leq D$ " should read -- $n < D$ --.

COLUMN 34:

Line 33, "claims 1-9," should read --claims 1 to 16,--.

COLUMN 36:

Line 23, " $nX/Dth$ " should read -- $nX/D + 1th$ --.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,053,888 B2  
APPLICATION NO. : 10/054895  
DATED : May 30, 2006  
INVENTOR(S) : Muneki Ando

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 39:

Line 15, "claims 32 to 36," should read --claims 32 to 39,--.

Signed and Sealed this

First Day of January, 2008

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*